

Environment Group: Hazards

Episodic

Primary

Tsunami

severe storms/storm surge

Spills

Secondary

Forest fire

Pest infestation

Drought

Landslides

Chronic

Coastal erosion

Sea level rise

Secondary

Pollution

epidemics

food insecurity

invasive species

conflict

Vulnerabilities

--coastal resource degradation

--mangrove, sand dunes, other natural protective features/physical buffers

--loss of wetlands, flood mitigation

--loss of wetlands buffer against pollution/sedimentation

--coral mining and sand mining

New unsustainable extraction/overuse of resources

--assistance disaster following natural disaster

--unintended consequences of new technology

Tourism development

--inappropriate infrastructure development

--disregard for regulations/policies

--inappropriate for local ecosystem

Land Use Practices (including setbacks)

--well intentioned land use policies create new vulnerabilities

Lack of stakeholder involvement in environmental protection

Lack of "green" development guidelines/enforcement

Lack of fisheries/coastal resource management scheme to address capacity/effort (so can absorb assistance after disaster)

Lack of information about ecosystem/environment/baseline and relationship to hazard mitigation

- invasive exotics (when "building back better")
- more likely to degrade
- unsustainable uses of resources for rebuilding
- unsustainable uses of resources (inland) (deforestation)

Post Disaster

- dismantling temporary structures
- debris removal (rotting vegetation=nutrient loading)
- groundwater contamination/saltwater intrusion

Development

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